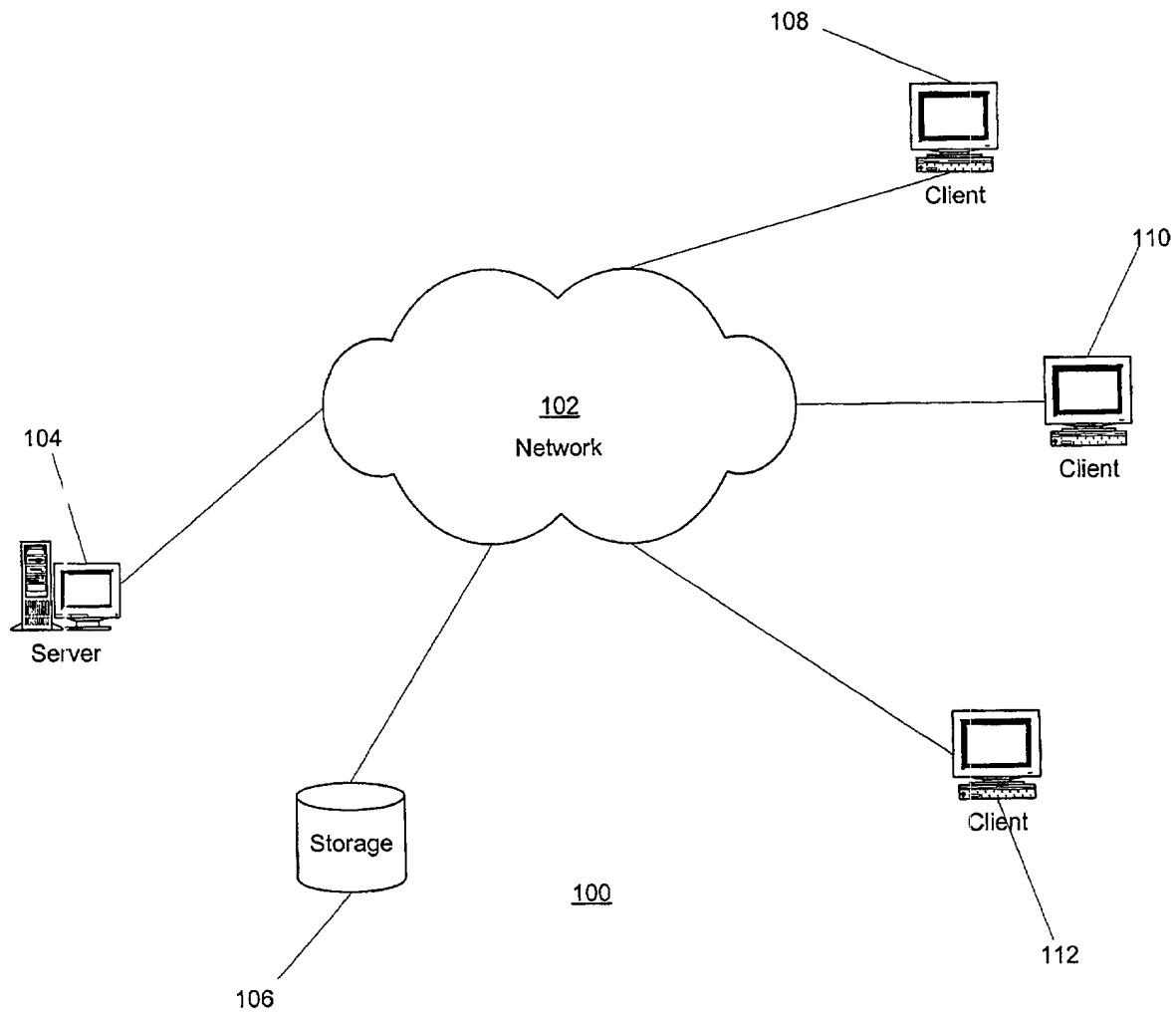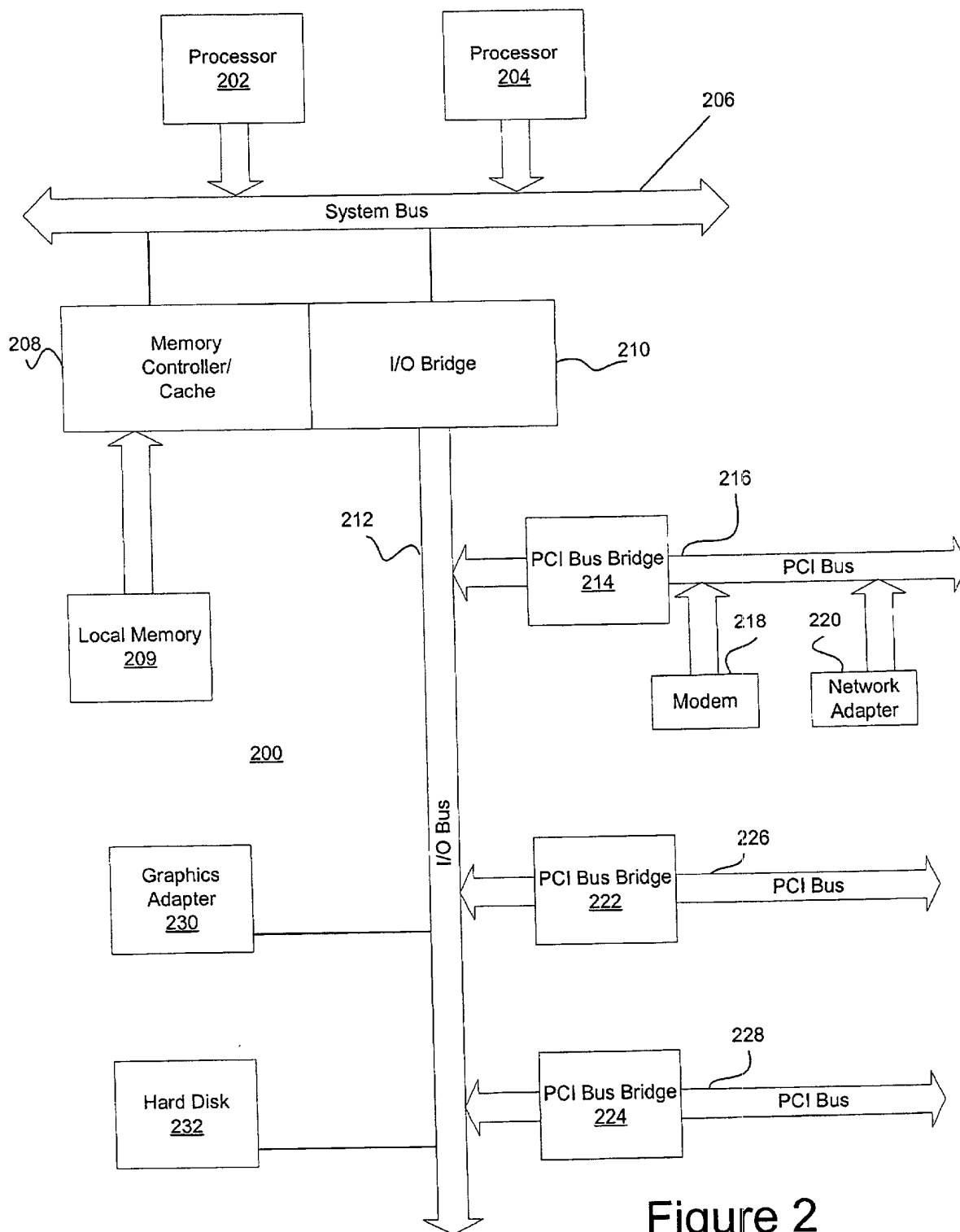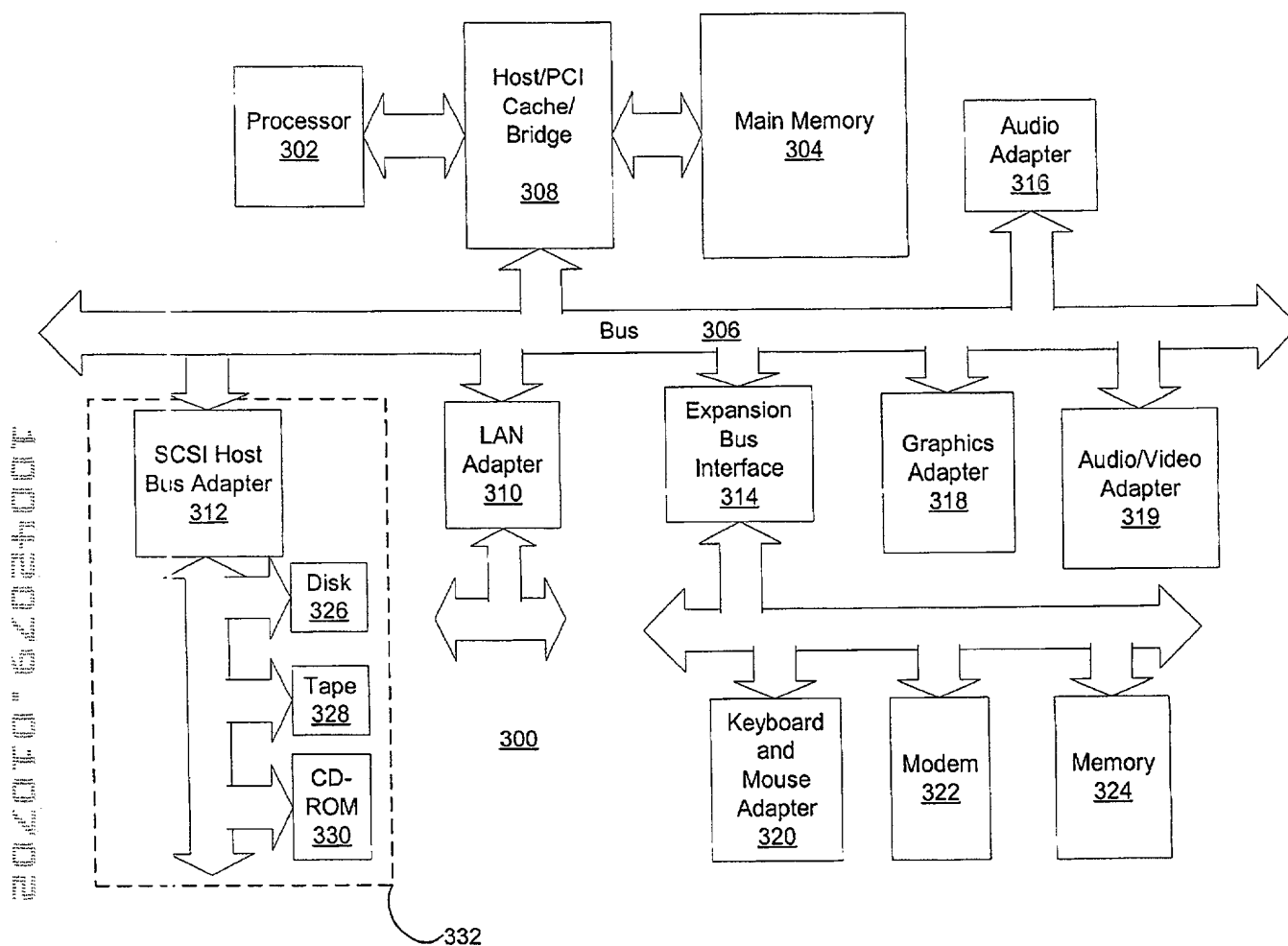# Figure 1

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108

Client

110

Client

102
Network

104

Server

Storage

100

106

Client

112

Figure 2

Figure 3

Start
400

Select a JAR file
402

Place selected runtime JAR file into the classpath on the runtime machine
404

Enumerate all classes that are included in the selected JAR file using java.util.jar package
406

Get first class from list
403

List all public methods, public parameters, and public fields included in the class using Java Reflection
410

Get first method/parameter/field from list
412

Remove all references from method/parameter/field to other JAR files
414

If method/parameter/field includes a "native" attribute, remove attribute
416

Include a return statement with a default value if necessary if method requires a return statement
418

Get next method/parameter/field from list
422

Last method parameter or field in class
420

NO

YES

Emit a .java file for this class including equivalent methods, parameters, fields, and required return statements
424

Get next class
428

Last class in JAR file
426

NO

YES

Compile all .java files
430

Generate a generic, compilation JAR file that includes all compiled .java files
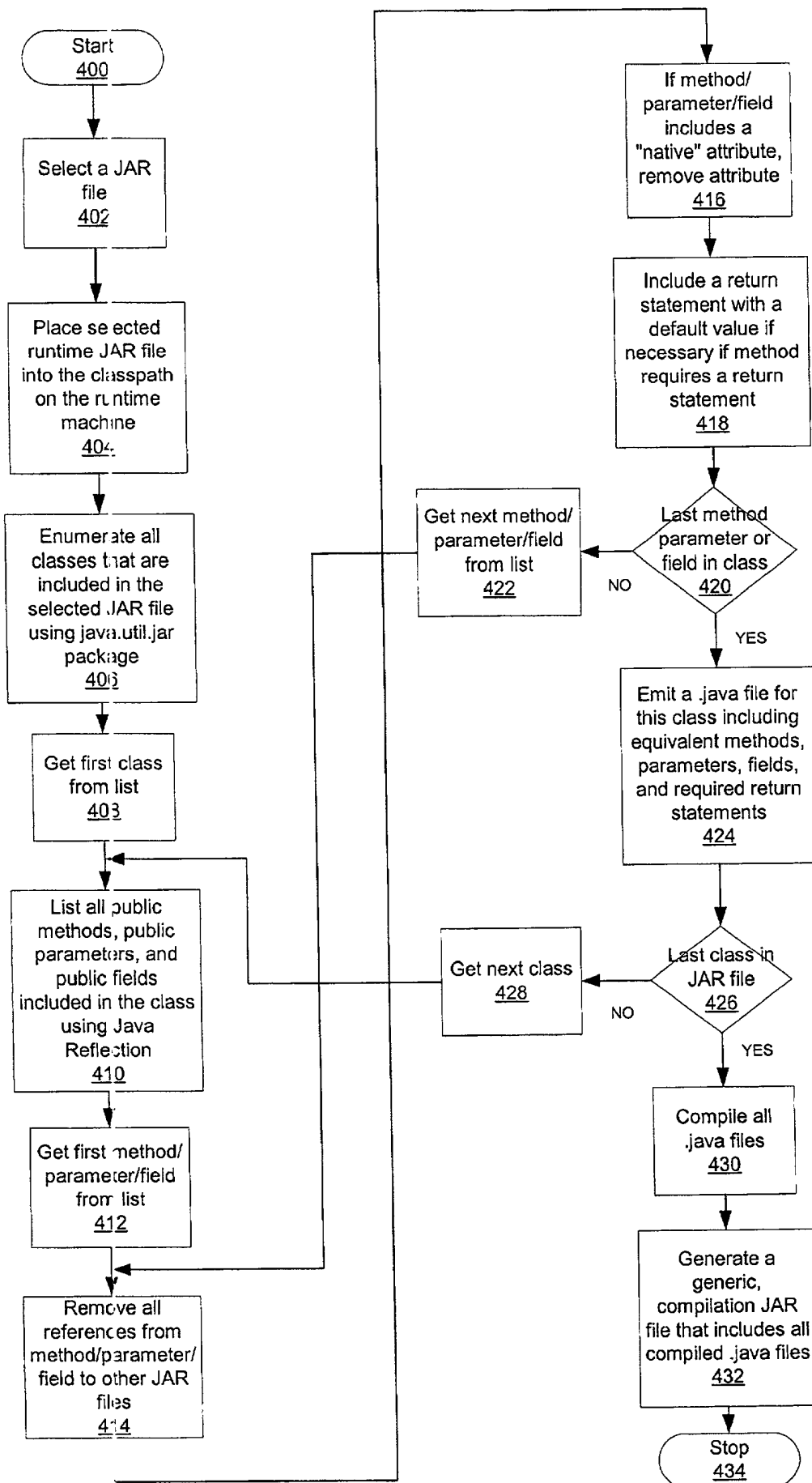432

Stop
434

Figure 4

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